

### THE LAKEHEAD AMATEUR RADIO CLUB JOURNAL

October 2006
Volume 72 Issue 8





క్రిం క్రిం

VE3FW—LARC call sign



#### Inside this issue:

Last Meeting Minutes	2
Financial Report	3
Pictures of Field Day June 24, 2006	4
Welcome New Hams!	5
Photos	6
Amateur News	7
APRS - some views	8
On the Web	9
Editors QSK	9
Club Executive	10
Public Service	10
Club Information	10
Membership Form	11

- Next Meeting Thursday
   October 12, 2006 at the McIntyre Building, Confederation College Room 191 at 7:30 pm
- 2006 2007 Membership DUES are NOW DUE
- Check into the LARC
   2 Meter ARES Net on YQT
   every Tuesday evening at
   7:00 pm local time

# APRS

What is it?
What can we do with it?
Do I have to be a techno-geek?

### **Guest Speaker**

Warren Paulson, VE3FYN

Will give us a great overview of this operating network at the October 12 General Meeting

Imagine looking at your GPS unit and seeing all local hams, in real-time. Then imagine text-messaging them from your HT anywhere in the world. That's APRS, and it's up and running throughout the Northwest.

The presentation will cover the basics of APRS, or **Automatic Position Reporting System.** Developed by Bob Bruninga, WB4APR, in the 1990's, APRS uses packet technology to share GPS position information. What makes APRS powerful is the combination of the Internet to broaden its reach, and generic addressing to disperse itself easily via RF.

The presentation will cover the theory of APRS, so people can understand how it works. I will introduce some key software and hardware options for people to get started, and give some hands-on demonstrations of its application.

- Warren. VE3FYN

Don't miss this chance to hear the basics on how this system works!

### LARC OPEN ACCESS REPEATERS

MANAGERICATED CHECKED LINES WITH	A STATE OF A STATE OF THE STATE	THE CAN DESCRIBE THE RESERVE OF THE PARTY OF
VE3YQT	Mount Baldy	147.060 (-600) Phone Patch
VE3TBR	St. Joseph's	146.820 (-600)
VE3BGA	Hillcrest H.S.	145.450 (-600) (IRLP Node VA3LU 123.0 Hz) 442.825 (+5 MHz) (100.0 Hz)
VE3UPP	Upsala	145.470 (-600)

HI-Q

Page 2

## LARC April 13, 2006 MINUTES

Terry, VA3LU



October 9, 2006

#### Minutes of meeting Sept. 12 2006

Meeting called to order 7:34 by President John VA3JMS.

Minutes of June 8, 2006 were read by Terry VA3LU, motion to accept by Bob VE3BHN, seconded by Mike VE3ZG, motion carried.

Financial report presented by Joe VE3TBX, motion to accept by Joe VE3TBX, seconded by Bob VE3BHN, motion carried.

#### Committee reports

Equipment Terry **VA3LU**, reported that auto patch was down and time on controller was off. We would try to get it fixed as soon as possible..

#### Public service Brad VE3MXJ

Canoe kayak race was a success, thanks to all involved.

Kids of steel, and the annual triathlon went as planned, thanks to all who helped.

Conquer the dog Aug 19 all went well.

Hymers Fall Fair display, seem to be a success again thanks to all who helped.

#### Canwarn John VA3JMS

John reported that this a very quiet year for us on the weather front and only two calls regarding weather warnings.

#### Old Business

Joe VE3TBX update on the last hats order.

#### New business

Bob VE3RVA reported that the college room rental was increased to \$75.00 for the upcoming year.

#### Elections

Mike **VE3ZG** took over the duties to run this year elections.

#### Results as follows

#### PresidentTerry VA3LU

Vice President Bob VE3RVA
Secretary Judy VA3EAP
Treasurer Joe VE3TBX
Directors Mike VE3ZG
Brad VE3MXJ

Brad VE3MXJ
Bill VE3XT
Randy VA3OJ

#### Motion to adjourn Bob VE3BHN





Ted Bronson,
Royal Astronomical Society
of Canada, Thunder Bay,
gave us a great presentation
on solar viewing prior the
start of September's meeting

The sky and sun fully cooperated, with little obstruction for viewing!

Marion **VE3MJN** views the suns surface as Ted assists



Joe VE3TBX

# Lakehead Amateur Radio Club Treasurers Report

. •	ance - Sept. 7th, 2006		<u>\$ 4,433.99</u>
Income			
	Ball Caps	\$	30.00
	50/50 Draw	\$	13.50
	Sale of Old Police Radios	\$	60.00
	Donations	\$	65.00
	Memberships	\$ 9	65.00
	Interest	\$	0.04
	Total Income		<b>\$ 1,133.54</b>
Expenses			
	Thunder Bay Telephone	\$	45.75
	Bank Service	\$	1.00
	Hymers Fair		62.52
	Equipment Maintenance	\$	73.72
	Magnetic	\$ 1	00.00
	Total Expenses		<u>\$ 282.99</u>
Closing Bala	nce - October 5th, 2006		\$ 5,284.54

Joe Coghlan - VE3TBX Treasurer



Page 4



### Views of Field Day June 24, 2006

Photos by Randy VA3OJ











### **Welcome New Hams**

Brian Bolt VA3BCQ photo by VA3PP

Six new hams joined our ranks so far in 2006

Adam Young VE3MSI Carl Wood VA3FLV John Hamlin VA3JKH Brian Bolt VA3BCQ Ryan Hamlin VA3COO Lloyd Hamlin VA3LDH

Congratulations!! Welcome to the Amateur Community

Anyone wishing to write the Amateur exam,

contact
Fred Lesnick, **VE3FAL**at: flesnick@tbaytel.net

807-577-0789

**Accredited Examiner** 



### **Photos**



На,

### Now that's a MOBILE !!!

Can anyone in the club beat

-tnx to John, VE3EMI

### Well Represented at Hymer's Fair 2006

Tnx to Judy VA3EAP for the photo





### **Amateur News**

#### **RAC Ontario North/East Region Director:**

Two nominations were received for this position. Following a review of the documentation submitted and taking into account the constitutional and election process requirements the Committee determined that the nomination papers were complete and in order for Mr. Dave Goodwin, VE3AAQ, and Mr. Bill Unger, VE3XT. The Committee recommended a Ballot by Mail pursuant to Article 6 (Method of Election) in the Constitution, for Director, Ontario North/East Region for the 2007-2008 term. Ed note: RAC members should have received a voting ballot in the mail from RAC. Return promptly to ensure your vote is counted!

### 160-METER EXPERIMENT WILL EXPLORE MACONI'S 1901 TRANSATLANTIC SUCCESS

A 160-meter beacon will take to the air this fall and winter from Cornwall, England, to explore how Guglielmo Marconi was able to span the Atlantic by wireless for the first time on December 12, 1901. Radio history says that's when the radio pioneer at a receiving station in Newfoundland successfully copied the Morse code letter "s" sent repeatedly by his team in the Cornwall town of Poldhu. The latter-day venture is a cooperative effort of the Poldhu Amateur Radio Club (PARK) in Cornwall and the Marconi Radio Club of Newfoundland (MCRN). The Poldhu club's Keith Matthew, GOWYS, said the 2001 centenary of Marconi's achievement reopened discussion into the mechanism by which the 1901 spark transmitter signal propagated.

"The winter of 1901 coincided with a sunspot minimum, and it was realized that this coming December 2006 should show similar conditions to those of December 1901," he said. Just how Marconi was able to receive the transatlantic transmission has long been a topic of discussion and even controversy, especially given the frequency Marconi is likely to have used, thought to be between 800 and 900 kHz, and the time of day, afternoon in Newfoundland.

"The beacon will help understand the possibility of low sunspot number transatlantic medium wave propagation 24 hours a day, but especially 1400 through 1800 UTC," Matthew said. The 160-meter amateur band is being used, he explained, because Marconi's original frequency today is a highly populated piece of the radio spectrum.

"It was realized that a clear channel would be necessary on the nearest amateur band, and a temporary license to operate a beacon on 160 meters has now been obtained," Matthew announced. Starting on or about November 1 and continuing through next February, the

GB3SSS beacon will transmit on 1960 kHz.

The 1960 kHz beacon will use a two-minute transmit sequence starting at the top of the hour. It will consist of a CW identification followed by a series of carrier bursts, each reducing in power by 6 dB. An identification in

PSK31 will follow. The transmit sequence will repeat at 15-minute intervals.

On the listening end in Newfoundland will be well-known low-frequency experimenter Joe Craig, VO1NA, of the MRCN, who lives near St John's. "This is a very exciting project," Craig said. "I am very grateful for the support from my fellow members in the club and our sister club, the Poldhu Amateur Radio Club." Craig offered his own observations on Marconi's 1901 feat in a

2001 article "Marconi's First Transatlantic Wireless Experiment," for The Canadian Amateur, the journal of Radio Amateurs of Canada (RAC) <a href="http://www.ucs.mun.ca/~jcraig/marconi.html">http://www.ucs.mun.ca/~jcraig/marconi.html</a>>. Also monitoring in North America will be the Antique Wireless Association's W2AN club station in upstate New York.

ARRL member and radio history buff Bart Lee, KV6LEE, proposed the 160-meter experiment to test the feasibility of Marconi's 1901 claimed achievement.

"Continuing cooperation between Canadian and British Amateur Radio operators can thus play a part in verification of one of the most interesting events in the history of our technology," Lee said in his article "A Plea for Timely Experiments" on the California Historical Radio Web site <a href="http://www.californiahistoricalradio.com/photos53.html">http://www.californiahistoricalradio.com/photos53.html</a>. Lee and Matthew recently visited with Craig and other MRCN members in Newfoundland.

E-mail beacon reception reports <<u>gb3sss@yahoo.co.uk</u>>. The ARRL Letter Vol. 25, No. 40 October 6, 2006
The American Radio Relay League

### LARC PUBLIC SERVICE

We had the HEART & STROKE WALK @ the Old Fort on Sept. 24 /06 with 8 operators participating.

Also Oct. 1/06 was the C.I.B.C. RUN FOR THE CURE , @ Fort William Stadium, with 5 operators. Thanks to those operator's.

Next up for public service is the SANTA CLAUS PARADE @ end of Nov. /06

Thanks Brad VE3MXJ



### **APRS**

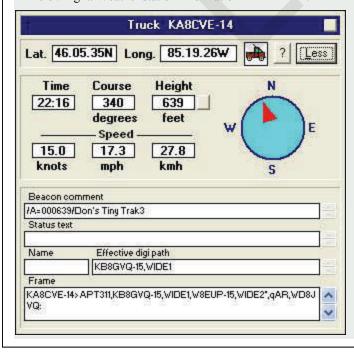
### some views from Robert, VA3ROM

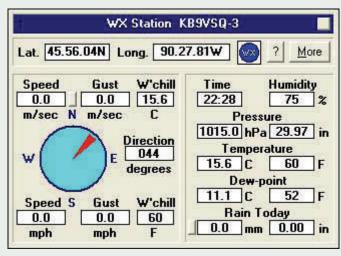


Above: Blue rectangles are other map views that are used for larger views of that area.

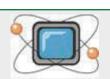
Below left: Information on vehicle bring tracked

Below right: Weather station information









THE WEB

ON

thanks to John, VE3EMI



### Some interesting Links

### FCC ONLINE TABLE OF FREQUENCY ALLOCATIONS

http://www.fcc.gov/oet/spect rum/table/fcctable.pdf

# Time on your hands? http://www.youtube.com/

watch?v=yISqCAnROh8 (video)

#### Vulnerability of Mobile Communication to Natural Hazards

http://ww3.psepc-sppcc.gc.ca/ research/resactivites/CI/ climatechg/ LappHancock 2001D004 ENG CD FINAL.pdf

Don't Forget to Check in !!

# LARC ARES 2 Meter Net



Every
Tuesday at
7:00 pm
On YQT !!

### **Editors QSK...**

My apologies to Robert, **VA3ROM**. Last month some of his submissions wound up with a 'VE' on his call rather than 'VA'.

Since the last issue, I now have a APRS setup at home, thanks to the efforts of Robert, **VA3ROM**. He took me through the pains of setting the program up on my old laptop with excellent results. Along with the setup, Robert took the time to explain how the system works with the program we used and how the items being viewed are handled by the software.

I would highly recommend attending this weeks meeting to get information on the APRS system to be presented by Warren, **VE3FYN.** The possibilities of this technology use seems to be endless!

One of the uses I have planned for this system is to have a localized mobile setup that would track one in a particular area when in unfamiliar wilderness. Even if out of range of a base type digi or station, by using a mobile with tracking hardware, perhaps with an extended antenna, a gps

equipped person can be tracked while wandering in unfamiliar territory. Fun to try in any event!

Well, that's about it for this issue.

Please send in any activities you have been involved in so this can be shared with others, along with any other articles, photos, ideas, that may be of interest.

Thanks to all the contributors for this months Hi-Q! Your newsletter is only as good as we all make it!

73, Leo VE3ATC

email: ve3atc@spruce.ca

Ps. Not a writer and have a story or pictures? Contact me and I will help get it out!

Ps If you are interested in helping with Hi-Q publishing, offers are out to assist me with layout, content, reporting, etc. I guess this would be like a partner position. However, we can make up a great title for the position that will give you warm feelings all over! Contact me for further info!

2006 -2007
MEMBERSHIP
IS DUE !!!
Fill out the attached
Membership Form

Next regular meeting

Thursday

October 12, 2006

McIntyre Building, Confederation College Room 191

*╲*╅╃╱╅┢╱╅┢╱┧╈╱┧╈╱┧╈╱╁⋫╱╁⋫╱╁⋫╱╁⋫╱╁⋫╱╁⋫╱╁⋫╱╁⋫╱╁⋫╱╁⋫╱╁⋫╱╅┢╱╅⋫╱╁⋫╱╁⋫╱╁⋫╱╁┩╱╁⋫╱╁⋫╱╁⋫╱╁⋫╱╁⋫╱╁⋫╱╁⋫*Ŷ*╁⋫

### A BIT OF WIT - COMPUTERS

**486:** The average IQ needed to understand a PC. **State-of-the-art:** Any computer you can't afford.

**Obsolete:** Any computer you own.

**Microsecond:** The time it takes for your state-of-the-art computer to become obsolete.

**Syntax Error:** Walking into a computer store and saying, "Hi, I want to buy a computer and money is no object."



LARC—Suite 184 1100C Memorial Ave. Thunder Bay, Ontario Canada P7B 4A3

Club E-mail: VE3FW@rac.ca

**LARC** Website

http://www.larclub.net

Hi-Q Editor and Publisher E-mail: ve3atc@spruce.ca Leo VE3ATC 939-1020

Hi-Q is published monthly on the Sunday preceding the monthly meeting.

Monthly meetings are held on the second Thursday of each month, except for July and August. Your submissions are welcome at any time. Submit early to ensure publication in next issue! Send to editor at ve3atc@spruce.ca



### LARC PUBLIC SERVICES

### **ARES**

**District Emergency Coordinator**VE3FAL Fred Lesnick 577-0789

**Emergency Coordinator** 

VA3OJ Randy Gottfred 474-0910

#### **CANWARN**

VA3JMS John 767-3631 VE3MXJ Brad 767-0628

#### PUBLIC SERVICE EVENTS

VE3MXJ Brad 767-0628 VA3JMS John 767-3631

#### **RAC**

Radio Amateurs of Canada

LARC SENATE	Keith Fiske Pat Doherty Dave Kimpton Laurie Bridgett Terry Stewardson Ed Baumann	VE3JQ VE3PD VE3AVS VE3BCD VA3LU VE3SNW	
LARC	President		
<b>EXECUTIVE</b>	Terry Stewardson	VA3LU	577-9439
2006—2007	Vice-President		
2000 2007	Bob Hansen	VE3RVA	767-6924
	Secretary		
	Judy Artist Treasurer	VA3EAP	
		VE3TBX	344-6566
	Joe Coghlan  Directors	VESIDA	344-0300
	Brad Harris	VE3MXJ	767-0628
	Randy Gottfred	VA3OJ	474-0910
	Mike Nawrocki	VE3ZG	
	Bill Unger	VE3XT	344-1848
	Past President Jim Sacek	VA3JMS	767-3631

### **About LARC**

Lakehead Amateur Radio Club members have all levels of interest and knowledge in the wide spectrum of amateur radio.

Monthly meetings and contact with other members allow us to share and discuss different ideas, and to learn from each other.

LARC membership meetings are held the second Thursday of each month, September through June at 7:30 PM local time at the McIntyre Building, Confederation College

Room 191

Each meeting consists of a mix of technical and light-hearted topics, with a break for meeting friends and new friends.

Anyone with an interest in ham radio is invited to join us.

Amateur radio classes are also administered by LARC to help you with your Amateur Radio License contact any of the Executive members above for more information



### 2005/2006 MEMBERSHIP/RENEWAL APPLICATION

### LAKEHEAD AMATEUR RADIO CLUB INC 1100C MEMORIAL AVE, SUITE 184, THUNDER BAY, ONT P7B4A3

### **CLASS OF MEMBERSHIP**

	<b>EMAIL:</b>
ADDRESS:CITY _	
TELEPHONE: ( )	POSTAL CODE
MAY WE PUBLISH THE PHONE N MAY WE DELIVER Hi-Q BY E-MA	
CALL(S)	
FAMILY MEMBERSHIP- immed \$35.00 plus \$10.00 for each additiona	liate family residing at the same address holding licenses. I amateur.
NAMES AND CALLS	
STUDENT MEMBERSHIP- \$15.0	00-open to persons enrolled full time in an education
facility, list School and program	
ASSOCIATE MEMBERSHIP-\$2	0.00-upon approval of the Board and open to:
1)Non holders of an amateur radio lic	ense.
meetings of the club.	mmediate Thunder Bay area or are unable to attend regular embership, please indicate why, on a separate sheet, to be used cation.
Please mail or bring this form to the	e next meeting with your cash or cheque for membership fees
Cheques should be r	made payable to Lakehead Amateur Radio Club.
Applications and cheq	ues can also be dropped off at the above address.